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(54) WATER DROP DETECTOR FOR WINDOW GLASS

is automatically driven.

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(57) Abstract:

PURPOSE: To enable automatic driving of a front glass wiper or the like, by providing a projector having a light emitting element and a filter, a passive reflector and a photo detector to detect water drops attached to a front glass.

CONSTITUTION: A projector 1 having a light emitting element 2 and filters 4 and 5 and photo detectors 6 and 7 having light emitting elements 10 and 11 and filters 12 and 13 are mounted on a support arm 18 of a room mirror 17 at a driver's seat while a passive reflector 9 is mounted on a window glass 3. When water drops attaches to the inner or outer surface of the front glass 3, first and second lights A and B projected from the projector 1 are scattered by water drops and a part thereof are detected with the photo detectors 6 and 7 respectively. Based on the detection signal of a detection circuit 21, a defroster driver 22 or a wiper driver 23

